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## **Supplemental Material**

## Blood Pressure and Same-Day Exposure to Air Pollution at School: Associations with Nano-Sized to Coarse PM in Children

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**Table S1.** Spearman Correlation coefficients between air pollution fractions.

	Nano size (#/cm³)					Coarse size (µg/m³)				
	20-30 nm	30-50 nm	50-70 nm	70-100 nm	100-200 nm	> 200 nm	Total UFP	$PM_{2.5}$	PM <sub>c</sub>	PM <sub>10</sub>
Nano size (#/cm <sup>3</sup> )										
20-30 nm	1									
30-50 nm	0.71**	1								
50-70 nm	0.38	0.80***	1							
70-100 nm	0.16	0.61**	0.87***	1						
100-200 nm	-0.11	0.24	0.54*	0.79***	1					
>200 nm	-0.21	0.29	0.52*	0.63**	0.73**	1				
Total UFP	0.62**	0.95***	0.93***	0.80***	0.40	0.40	1			
Coarse size										
$PM_{2.5}$	-0.13	0.32	0.22	0.44	0.53*	0.71**		1		
PMc	0.11	0.22	0.36	0.36	0.39	0.41		0.23	1	
$PM_{10}$	-0.15	0.22	0.23	0.4	0.53*	0.69**		0.85***	0.66**	1

Levels of significance were indicated as \*p<0.05, \*\*p<0.01 and \*\*\*p<0.0001.

**Table S2.** Difference in diastolic blood pressure (in mmHg) per IQR increase in the corresponding UFP/PM fraction.

UFP/PM Fraction	β (95%CI)	p-value	
20-30 nm (#/cm <sup>3</sup> )	0.58 (-3.69, 4.86)	0.79	
30-50 nm (#/cm <sup>3</sup> )	-0.37(-1.41, 0.66)	0.48	
50-70 nm (#/cm <sup>3</sup> )	-0.26 (-1.14, 0.63)	0.57	
70-100 nm (#/cm <sup>3</sup> )	0.01 (-0.72, 0.74)	0.98	
100-200 nm (#/cm <sup>3</sup> )	0.05 (-0.26, 0.36)	0.75	
>200 nm (#/cm <sup>3</sup> )	-0.27 (-0.95, 0.41)	0.44	
Total UFP (#/cm <sup>3</sup> )	-0.09 (-0.74, 0.56)	0.80	
PM <sub>2.5</sub> (ug/m <sup>3</sup> )	-2.80 (-6.29, 0.69)	0.12	
PM <sub>c</sub> (ug/m³)	0.03 (-2.08, 2.15)	0.97	
$PM_{10}$ (ug/m <sup>3</sup> )	-1.67 (-3.93, 0.58)	0.15	

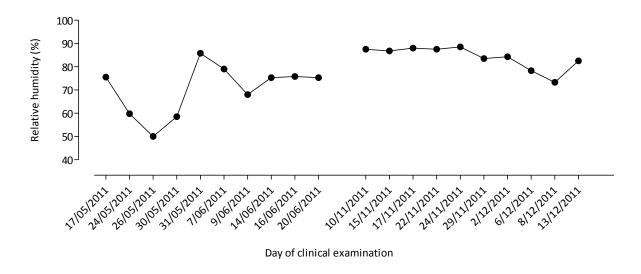


Figure S1. Relative humidity (%) on the day of clinical examination.